

Foreign Technology and Foreign Marketing Information



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NTIS

National Technical Information Service
U.S. Department of Commerce

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Acquisition of foreign technology goal of new office

The National Technical Information Service (NTIS), as the central source for scientific and technical information sponsored by the United States Government, plays a key role in the international exchange of information. NTIS increasingly has become the lead agency within the Federal establishment responsible for participation in bilateral, regional, and worldwide activities involving technology transfer and information. This has come about because of the growing recognition of the importance of technical information in the conduct of U.S. business overseas and in the conduct of U.S. international relations.

In order to respond to this growing responsibility, an Office of International Affairs has been created within NTIS. NTIS' objective in forming this new office is to help create a positive climate and provide a mechanism for an equitable exchange of information among all nations. This is based on the United States' historical commitment to the open access to public information in our free society.

This international flow of information through NTIS is shown in these figures—

- There are some 300,000 reports based on foreign technology in the NTIS collection.
- 20% of the products and services provided by NTIS go to non-U.S. destinations.
- Some 90 countries regularly receive information from NTIS.
- 20% of the authors represented in the NTIS collection of one million titles are attached to non-U.S. organizations.
- Some 10% of current annual acquisitions are from non-U.S. sources.
- More than 25 nations regularly contribute information items to the NTIS Bibliographic Data Base.
- NTIS has bilateral agreements with non-U.S. governmental, regional, or private information organizations in 37 countries which stimulate the international exchange of information through local sales services and the acquisition of new information.

This catalog highlights the foreign programs currently directed by NTIS and lists products and services from foreign sources. Additionally, it is a guide to sources of NTIS information located outside the U.S., and it lists people to contact within NTIS who are responsible for its foreign activities.

NTIS has undertaken the lead role in carrying out industrial innovation initiatives relating to the acquisition of foreign technology.

This pilot program will help U.S. industry keep abreast

of foreign scientific and technical activities and ensure easy access to foreign technical information.

NTIS has concluded bilateral agreements with several of the world's leading industrial nations. These agreements will result in thousands of foreign technical information items entering the NTIS system, all of them abstracted in English.

Such organizations as Netherlands Organization for Applied Scientific Research, and the Delft Hydraulic Laboratory; the United Kingdom's National Coal Board, National Physical Laboratory, and the Engineering Science Data Units; and the Japan Information Center of Science & Technology have already made many valuable contributions.

Foreign acquisitions are concentrated in the fields of solar energy, health care, metallurgy, mass transportation, building, research, and scientific instruments. Abstracts of all foreign technical reports are published in NTIS' abstract newsletters and journals. In most cases, the complete texts in the original language also are available from NTIS.

Several other new programs are expected to spur industrial innovations in the United States. Specific actions to aid the development and commercialization of new U.S. products and processes will emphasize an increased flow of foreign technical information to the United States.

In support of these programs, it is NTIS' objective to provide its customers with much of the important foreign technical information available.

Translation program

In addition to augmenting its long-standing translations program, NTIS will develop a pilot international technology information exchange system to provide for the identification, collection, evaluation, and dissemination of foreign technology.

Translation into English of significant research literature from languages such as Russian, Chinese, and Japanese, is important both for the promotion of international scientific cooperation and the expansion of technical innovation in the United States. Although study of foreign languages has been traditionally encouraged among scientists, the language barrier still is a formidable obstacle at technical operating levels in business and industry.

To alleviate this, NTIS will expand the long-established Special Foreign Currency Science Information Program that it conducts for the National Science Foundation.

Research scientists and technical experts from all Federal agencies select foreign material to be translated into English. These translations are paid for with currency that the U.S. Government holds in other countries. The literature translated with these funds would otherwise not be translated because of limitations on U.S. dollar-supported programs.

In the past 19 years, more than one million pages of original language material have been translated and made available to the public.

These documents are announced in the NTIS Abstract Newsletters and in GRA&I as they are completed. About

5,000 titles are listed in *Translations from the Scientific Literature*, which may be ordered as:

1960-73 PB-235 385T (PC A18/MF A01)

1974-75 PB-253 493T (PC A07/MF A01)

1976-77 PB-278 430T (PC A05/MF A01)

To receive a list of translations in progress for the current year, write to Special Foreign Currency Science Information Program Coordinator, NTIS, 5285 Port Royal Road, Springfield, VA 22161.

Developing nations

Acting for the U.S. Agency for International Development, NTIS has created an international information network with some 35 cooperating agencies around the world. This informal network has been functioning since 1971, when the U.S. Agency for International Development (AID) asked NTIS to create a mechanism to help apply the vast collection of scientific and technical reports available from NTIS in a new effort to aid economic development.

The resultant U.S. AID program set the following tasks:

1. Establish bilateral agreements with indigenous information organizations capable of providing local access to U.S. scientific and technical information.

2. Arrange training opportunities for network participants to acquaint them with available scientific and technical information systems and information management skills.

3. Provide network participants with technical advisory services that strengthen their own skills and their institutional capabilities.

4. Publish and distribute *Application of Modern Technology to International Development (AMTID)*; and *ACCESS to Information for International Development*; and other publications.

5. Provide fast delivery of information products to participating agencies through use of subsidized airmail.

6. Provide special information materials and equipment compatible with network participants' needs.

7. Develop selected case studies for assessment of program impact.

Network participants are typically national government agencies directly involved with economic development. The organizational unit which works with NTIS on this project is usually an information center or library. Some 35 organizations in developing countries are now actively participating in the program.

Information management skill building and user education programs are essential to help local staff in developing a dynamic national information community. Network participants are expected to play an essential role in their country's modernization for years to come. To help them to serve local information needs better, NTIS provides opportunities for special training courses, field visits by consulting professionals, and local workshops covering particular areas of interest.

Twice each year, a group of from 10 to 15 project network agency representatives and other technical information managers from around the world come to NTIS headquarters in Washington, DC for a two week, hands-on, intensive workshop on technical information systems. It gives an overview of the technical information community and its techniques worldwide, bringing knowledge up-to-date, and expanding participants' connections with NTIS and other information centers. Participants see how the National Technical Information Service operates, how to make it work better for themselves and their clients, how to take full advantage of NTIS collections when they return home, and how they can introduce similar systems in their own operations. The workshop also provides a forum through which Cooperating Agency staffs can learn from one another. For an application and further information address your request to NTIS' Office of International Affairs.

The information network offers a variety of technology options, helping people in the developing countries choose the best alternatives for solving local problems.

To date, vexing problems the world over have been solved by approaching them with the right information. In Ecuador, a sawdust problem was solved by designing a new product to use this former waste. In San Salvador, broken glass was recycled in a tile factory. In Korea, a metal product was improved to export-quality. All this was made possible by information provided through the network.

Training tools available

To monitor such successful examples of information transfer, NTIS created the *Case Studies Handbook: An Aide to Evaluate the Utilization of Scientific & Technical Information*. This handbook documents specific case studies but more importantly shows network participants how to develop their own case studies with specific steps outlined and strategies to follow with the information user. Available as PB80-186448, NTIS Price A06.

A manual and a workbook have been specially prepared for training activities. The manual, *How to Use the NTIS Order Processing System*, helps Cooperating Agencies obtain information from NTIS in the quickest and most effective manner possible. Available in Spanish and English on request from NTIS' Office of International Affairs.

The Workbook for Use at the Information Systems Workshops is a course guide and aide during the workshop and is a reference source that information managers have on return to their organizations. Many use it to train additional staff at home as well as large users of information in the community.

An important aspect of training relates to the users of information in developing countries as well as the providers. The habit of using information is not yet established in many developing countries. In order to create an awareness of the value of information, its ready availability, and the mission of network members to serve users' information needs, user education seminars are

organized for developmental organizations, government and business. Available in English from NTIS' Office of International Affairs.

Another educational tool is *ACCESS to Information for International Development*. It is a quarterly newsletter intended primarily to keep network agency staff members informed of project activities such as upcoming seminars, conferences, and regional meetings; new information products and services; activities of various project participants; and other news items of mutual interest. Available free on request from NTIS' Office of International Affairs.

Appropriate technology

NTIS covers a broad spectrum of technology. At one end are those sophisticated capital-intensive techniques on which the post-industrialized world has come to depend. At the other end, is Appropriate Technology.

Since 1977, NTIS has reflected the shift of emphasis within USAID from capital intensive development projects to a renewed attack on problems more directly affecting the life of the rural and urban poor. Appropriate Technology is the term most frequently used to identify this philosophy.

In NTIS' interpretation of the term, a technology is appropriate when it is compatible with the economic and social conditions of its users. In developing economies, this often means low-cost, light-capital, intermediate-level, or alternative technologies. Appropriate technologies are often designed to meet the needs of low-income groups and usually have the following characteristics:

- Can be operated and maintained locally
- Are labor intensive
- Use available energy sources
- Make maximum use of local resources and skills
- Mesh with local and cultural values and needs
- Are environmentally sound

NTIS has become a major clearinghouse for the international exchange of Appropriate Technology information. The information covers agriculture, rural development, management, small business administration, health, construction engineering, energy, and virtually all other categories of technology.

Typical sources of the information outside of the U.S. include such organizations as:

Appropriate Technology Development Assoc., India; Centro Cooperativo Tecnico Industrial, Honduras; COLCIENCIAS, Colombia; Grupo Talpuy, Peru; Indo-Pacific Fisheries Council, Thailand; Intermediate Technology Publications, UK; International Rice Research Inst., Philippines; Technology Consultancy Centre, Ghana and; U.N. Industrial Development Organization, Vienna.

Selected information is translated into English, Spanish, and French to make it more usable to local groups working with the poor.

To make available information more relevant to the needs of low income groups in Latin America and the Caribbean, NTIS works with a Panamanian organization (Grupo de Tecnologia Apropriada). This agency works

with network participants to help them better understand the philosophy of appropriate technology and to aid local clients in its utilization. This often involves a "repackaging" effort on behalf of the local agency.

The monthly newsletter *Application of Modern Technology to International Development* (AMTID) announces newly acquired reports and documents of particular interest to developing economies. Printed in Spanish, English, and French versions, more than 30,000 copies are distributed each month by network participants to interested parties in developing countries.

Network participants serve as guest editors in order to assure items are announced which truly reflect the needs of the target audiences (available free on request from NTIS' Office of International Affairs.)

Appropriate Technology Information for Developing Countries: Selected Abstracts from the NTIS Data File (Second Edition) is a semi-annual report which cumulates all materials in the NTIS collection deemed Appropriate Technology. The current issue contains abstracts of more than 1,000 documents plus subject, corporate author and personal author indexes. (Order PB80-117666, \$5.50)

In order for network participants to utilize all possible sources of Appropriate Technology, NTIS compiled and published *A Global Listing of Appropriate Technology Organizations and Sources* (Order PB-296 635, A08). This is a comprehensive listing of addresses of worldwide organizations, research institutes, and development groups involved in some aspect of Appropriate Technology. It is useful to those interested in contacting Appropriate Technology organizations in their regions as well as other parts of the world.

To further assure that information be used by persons most directly involved with development issues, a grant has been made by USAID to subsidize the purchase of documents in Latin America and the Caribbean. The subsidy is administered by local cooperating agencies and NTIS.

Watch for Price Codes

Most prices in this catalog are indicated by Price Codes. For example: When you read *Gasohol: A Technical Memorandum*. NTIS Price: **PCA04/MFA01**, you learn from the Price Code table on page 47 that **A04** is the equivalent of \$7, and the **A01** is the equivalent of \$3.50. PC, of course, means paper copy, and MF means microfiche. Price Code Tables may change. Current tables always are free on request from NTIS.

Foreign titles cover a wide variety of technical areas

The following titles have been selected from among some 300,000 documents relating to foreign technology and marketing information. They were chosen to show titles of topical interest and to give an idea of the variety available.

Research on Fuel Conservation for Cars. M. H. L. Waters, and I. B. Laker. 1980, 39p
PB-80-225949 NTIS Price: PC A03/MF A01

Investigation of Carbon Fiber Reinforced Plastics for High Frequency Components. Final Report. W. Altmann, H. G. Kerzl, and O. Schweizer. Oct 79, 51p Text in German; English Summary.
N80-29501 NTIS Price: PC A04/MF A01

Measurement Techniques for Integrated High Frequency Circuits. Final Report. P. Draheim. Dec 79, 98p Text in German; English Summary
N80-29600 NTIS Price: PC A05/MF A01

Calculation of Magnetic Fields to Correct Charged Particle Trajectories in the JINR Synchrophastron. E. P. Zhidkov, I. B. Issinskii, T. P. Kochkina. E. M. Kulakova, and L. A. Smirnova. 1979, 10p In Russian. U.S. Sales Only.
JINR-R-11-12374 NTIS Price: PC A02/MF A01

Nickel Hydrogen Cell Development Centered on Positive Electrodes with High Capacity Per Unit Area for Load Leveling and Traction Applications. Final Report. G. Gutmann, and R. Linkohr. Dec 79, 108p
N80-29908 NTIS Price: PC A06/MF A01

Containment of Heavy Vehicles by Bridge Parapets of Post and Rail Type. V. J. Jehu, and L. C. Pearson 1979, 16p
PB81-106452 NTIS Price: PC A02/MF A01

Separation, Conditioning, Storage and Disposal of Krypton-85. P. Patek. Apr 79, 39p In German. U.S. Sales Only.
SGAE-3038 NTIS Price: PC A03/MF A01

Phase 1 Wind Tunnel Tests of the J-97 Powered, External Augmentor V/STOL Model. D. B. Garland, July 80, 101p
N80-28303 NTIS Price: PC A06/MF A01

Interaction of Gamma Radiation and Temperature on the Determination of the Sterilizing Dose of Some Stored Products Pests. A. P. Barbosa. Aug 76, 83p In Portuguese. Thesis. U.S. Sales Only.
INIS-MF-5367 NTIS Price: PC A05/MF A01

Vapour Lock In Car Braking Systems. J. Keen. 1979, 33p
PB81-104044 NTIS Price: PC A03/MF A01

Ceramic Coatings on Diesel Engine Components. Period Covered: January 1979-August 1979. I. Kvernes, and K. P. Lillerud. Oct 79, 19p
DOE/ET/15320-T1 NTIS Price: PC A02/MF A01

Integration of Filters by Means of Linear MOS Circuits. P. Christiansen, P. J. Gebhardt, and G. Kohlbacher. May 80, 37p
N80-31742 NTIS Price: PC A03/MF A01

Investigations on Ce-and Yb-Based Intermetallic Compounds. R. A. Elenbaas. 20 Feb 80, 135p U.S. Sales Only.
INIS-MF-5684 NTIS Price: PC A07/MF A01

Energy and Entropy Fluxes In Coal Gasification and Li-quefaction Processes. Final rept., Hans Voigt. 1980, 28p
PB80-206238 NTIS Price: PC E03/MF E03

Development of Mine Fire and Explosion Protection Equipment for Dry Dust-Extractors. H. Auberg, E. W. Scholl, and M. Faber. Jun 80, 121p In German. U.S. Sales Only.
BMFT-FB-HA-80-011 NTIS Price: PC A06/MF A01

Jet Propulsion In $E_{exp} + E_{exp} - Annihilation$ and Decays of the $Y(9.46)$ Resonance. Results from PLUTO. G. Knies. Aug 79, 30p U.S. Sales Only.
DESY-79/47 NTIS Price: PC A03/MF A01

Physical Quantities Related to Measurement Campaigns for Cooling Towers. W. Boegel. Dec 75, 29p In German. U.S. Sales Only.
DFVLR-IB-553-75/15 NTIS Price: PC A03/MF A01

Control of Treatment of Differentiated Thyroid Carcinoma by Measurement of Thyroglobulin In Serum. J. Hagemann, and C. Schneider. 1977, 4p U.S. Sales Only.
AED-CONF-77-461-013 NTIS Price: PC A02/MF A01

Semiconductor Technology of Ion Implanted Silicon Devices. Final Report, Mar. 1978. J. Goetzlich, A. Heuberger, H. Kranz, B. Schubert, and F. Soller. Dec 79, 91p Text in German; English Summary.
N80-29603 NTIS Price: PC A05/MF A01

Charged Particle Counter on the Basis of Electroluminescence. S. V. Golovkin. 1979, 19p In Russian. U.S. Sales Only.
IFVE-OEF-79-83 NTIS Price: PC A02/MF A01

Investigation Into the Use of Hydrogen Peroxide for the Purification of Carbonization Wastes. Jun 79, 20p U.S. Sales Only.
BCRA-67 NTIS Price: PC A02/MF A01

Development of High Temperature Resistant, Solar Absorber Surfaces. Final Report. W. Scherber, and G. Dietrich. Dec 79, 113p Text in German; English Summary.
N80-29906 NTIS Price: PC A06/MF A01

Digital Image Restoration. K. Vonderheide. Aug 79, 82p
Text in German; English Summary.
N80-30084 NTIS Price: PC A05/MF A01

A 35 Ghz Doppler Radar to Measure the Speed of Small Particles Eln 35-Ghz-Dopplerradar Zur Geschwindigkeitmessung Kleiner Teilchen. K. Kaufmann. May 79, 15p Text in German.
N80-30624 NTIS Price: PC A02/MF A01

Study and Development of Printed Circuit Elements for Synthetic Aperture Radar Array Antennas. Final Report. J. B. Sanchez, F. J. Asenjo, R. V. Gomez, M. P. Bellido, and J. T. Riera. Oct 79, 234p
N80-30661 NTIS Price: PC A11/MF A01

The As-Quenched Microstructure and Tempering Behaviour of Rapidly Solidified Tungsten Steels. Technical rept., J. J. Rayment, and B. Cantor. 12 Jun 80, 54p
AD-A089 042 NTIS Price: PC A04/MF A01

Solar Passive Systems for Buildings. Mar 80, 52p
N80-30947 NTIS Price: PC A04/MF A01

A Brief Investigation of the Two-Dimensionality of the Flow over an Airfoil in the 8 Foot by 6 Foot Transonic Wind Tunnel. P. H. Cook, and M. A. McDonald. Dec 79, 20p
N80-31368 NTIS Price: PC A02/MF A01

Growing and Displacing Infarcts. G. Huber, H. Emde, and U. Piepgras. 1977, 6p
AED-CONF-77-395-001 NTIS Price: PC A02/MF A01

Radiation Losses in the T-10 Tokamak. A. N. Vertiporokh, S. Yu. Luk'yanov, and Yu. S. Maksimov. 1979, 17p In Russian. U.S. Sales Only.
IAE-3123 NTIS Price: PC A02/MF A01

Survey of the Market for Medical Equipment in Switzerland. Foreign market survey rept. Mar 80, 88p
DIB-80-09-500 NTIS Price: PC \$10.00/MF A01

Energy: Diesel Heat Pump for District Heating Plants and for the Heating of Large Housing Blocks. B. Petersen. 1980, 219p U.S. Sales Only.
EUR-6740-EN NTIS Price: PC A10/MF A01

Comparative Experimental Study on the Use of Original and Compressed Multispectral LANDSAT Data for Applied Research. K. A. Ulbricht. Feb 80, 81p
N80-31865 NTIS Price: PC A05/MF A01

Irradiation of Test Rods in Standard Fuel Rods of the Nuclear Power Station at Obrigheim. M. Gaertner. 1979, 39p In German. U.S. Sales Only.
BMFT-FB-K-79-12 NTIS Price: PC A03/MF A01

A Quick Method for Calculating Temperatures Arising from Extended Microcircuit Heat Sources. D. J. Dean. Jan 80, 27p
N80-28659 NTIS Price: PC A03/MF A01

Numerical Study of LHRF-Heating In Tokamak. T. Imai, M. Okamoto, and T. Nagashima. Jun 80, 35p
N80-29169/3 NTIS Price: PC A03/MF A01

Design and Construction of Two 10.8 T.M. Superconducting Beam Bending Magnets. P. Dow, and G. Keseler. 13 Mar 78, 29p U.S. Sales Only.
CERN-78-03 NTIS Price: PC A03/MF A01

Influence of Low-Volatile Coal Additions on the Strength and Structural Properties of 7-Kg Cokes. May 79, 11p U.S. Sales Only.
BCRA-66 NTIS Price: PC A02/MF A01

Prototype of Wire Break Detector. L. Stawiszynski. Aug 79, 41p
N80-28741 NTIS Price: PC A03/MF A01

Utilization of Cyclotron for the Production of Radionuclides for Medical Use. C. Cimetiere, J. Leger, R. Muxart, and J. Vernois. 1979. 11p In French.
CEA-CONF-4641 NTIS Price: PC A02/MF A01

Study Tour of Industrial Robots In Japan Aug. 79, 78p
AD-A077 161 NTIS Price: PC A05/MF A01

Use of a Trajectory Model for Studying Interregional Transport of Air Pollution 1979, 37p
N80-11645 NTIS Price: PC A03/MF A01

Airborne Oil Spill Surveillance Systems In Sweden 12 Mar. 79, 20p
N80-11646 NTIS Price: PC A02/MF A01

National Solar Heating and Cooling Programs NATO furnished. Presented at the International Solar Energy Society Congress Held at Atlanta, GA. on May 28-June 1, 1979. Aug. 79, 64p
PB-80-104987 NTIS Price: PC A04/MF A01

Guidelines to Air Quality Management Systems NATO furnished. Apr. 79, 167p
PB80-109978 NTIS Price: PC A08/MF A01

Factors Influencing the Performance of Full Face Hard Rock Tunnel Boring Machines Mar. 79, 273p
PB80-112378 NTIS Price: PC A12/MF A01

Speed Control Humps on Residential Roads Also pub. as ISSN-0305-1293. 1979, 39p
PB80-112840 NTIS Price: PC A05/MF A01

Biomass In an Old Mixed Coniferous Forest In Dalarna, Sweden In Swedish. 1978, 43p
SLU-IEM-79-1978 NTIS Price: PC A03/MF A01

Laboratory Investigation of the Performance of a Holden Engine Operating on Liquefied Petroleum Gas Aug. 79, 49p
AD-A076 145 NTIS Price: PC A03/MF A01

CIA information covers world economy, politics, production statistics

Central Intelligence Agency (CIA) publications cover a variety of unclassified foreign information. The subject areas are political, statistical and economic with reports on agriculture, metals, minerals, natural gas, oil, and military and official structures.

CIA reports and analyses are sold singly and by subscription; irregularly issued recurring reports are sold on a standing order basis.

International Energy Statistical Review: Presents economic and statistical information on international oil production, oil consumption, oil imports and exports, crude oil production, natural gas production, storage, imports and exports. It also deals in the area of oil and natural gas trade; oil stocks; oil spot market price; retail petroleum product prices and crude oil prices. Published monthly. The *Review* averages about 30 pages per issue. Prepared by the Central Intelligence Agency.

Price: \$36 annually.

Order: PB81-928600

Chiefs of State and Cabinet Members of Foreign Governments: This monthly directory identifies chiefs of state and cabinet members of foreign governments. It is intended primarily as a reference aid and includes some 155 governments, some of them not yet fully independent and others not officially recognized by the United States. About 110 pages an issue.

Price: \$36 annually.

Order: PB81-928400

International Economic and Energy Statistical Review: This publication provides up-to-date information on changes in the domestic and external economic activities of the major non-Communist developed countries. To the extent possible, this report is updated from press ticker and embassy reporting, so that the results are made available to the reader weeks—or even months—before receipt of official statistical publications. U.S. data are provided by U.S. Government agencies. Published every two weeks (26 issues per year). About 25 pages an issue.

Price: \$60 annually.

Order: PB81-928500

The following additional titles are available singly. Inquire as to their frequency of issue and the prices for individual copies:

Key Soviet-Yugoslav Documents (PB80-927902)

Directory of Officials of the German Democratic Republic (PB80-927901)

Non-OPEC LDCs: External Debt Positions (PB80-928001)

China: International Trade Quarterly Review (PB80-928202)

Soviet and U.S. Defense Activities 1970-79: A Dollar Cost Comparison (PB80-928101)

Energy Supplies in Eastern Europe: A Statistical Compilation (NTISUB/E/280-015)

Directory of Soviet Officials (three volumes) (NTISUB/E/281-018, NTISUB/E/281-005, NTISUB/E/281-006)

USSR State Committee for Science and Technology (wall chart) (NTISUB/E/281-017)

A Guide to Political Acronyms (NTISUB/E/280-014)

Directory of Officials of the Republic of Cuba (NTISUB/E/279-016)

Cuban Leadership (wall chart) (NTISUB/E/279-015)

Chinese Ministry of Foreign Affairs (wall chart) (NTISUB/E/282-014)

Directory of Officials of the Hungarian People's Republic (NTISUB/E/279-017)

USSR: Role of Foreign Technology in the Development of the Motor Vehicle Industry (NTISUB/E/281-016)

Communist Aid Activities in Non-Communist Less Developed Countries (NTISUB/E/279-012)

Czechoslovak Communist Party (NTISUB/E/279-013)

Government of the Czechoslovak Socialist Republic (wall chart) (NTISUB/E/279-014)

Directory of Officials of the Socialist Republic of Rumania (NTISUB/E/279-011)

The U.S. Position in World Markets (NTISUB/E/280-011)

Yugoslavia Government Structure (wall chart) (NTISUB/E/279-010)

Structure of the League of Communists of Yugoslavia (wall chart) (NTISUB/E/279-009)

Directory of the Officials of the Polish People's Republic (NTISUB/E/279-005)

Chinese Communist Party Organization (NTISUB/E/282-012)

The World Oil Market in the Years Ahead (NTISUB/E/280-010)

Appearances of Soviet Leaders, January-December 1978 (NTISUB/E/281-013)

National Basic Intelligence Factbook (NTISUB/E/280-012)

The Burgeoning LDC Steel Industry: More Problems for Major Steel Industry Producers (NTISUB/E/280-009)

China: A Statistical Compendium (NTISUB/E/282-011)

Directory of Officials of the People's Socialist Republic of Albania (NTISUB/E/279-007)

Directory of Officials of the Democratic People's Republic of Korea (NTISUB/E/279-003)

Soviet Strategy and Tactics in Commercial Negotiations with the US (NTISUB/E/281-011)

USSR: Ministry of Foreign Trade (Wall Chart)
(NTISUB/E/279-005)

CPSU Politburo and Secretariat: Positions and Responsibilities (Wall Chart) (NTISUB/E/279-006)

CPSU Central Committee: Executive and Administrative Apparatus (Wall Chart) (NTISUB/E/281-010)

Academies of Sciences and Social Sciences of the People's Republic of China (Wall Chart) (NTISUB/E/282-010)

China: The Steel Industry in the 1970s and 1980s (NTISUB/E/282-007)

Directory of Officials of the Socialist Federal Republic of Yugoslavia (NTISUB/E/279-004)

Cuban Chronology (NTISUB/E/279-003)

Directory of Chinese Scientific and Educational Officials (NTISUB/E/282-006)

Simulations of Soviet Growth Options to 1985 (NTISUB/E/281-007)

Recent Gains in Nonfuel Trade Between the Developing Nations (NTISUB/E/280-005)

Politburo of the 11th Chinese Communist Party Central Committee (NTISUB/E/282-008)

Plant Breeding and Protection Research for Food Production in China (NTISUB/E/282-003)

Non-OPEC LDC Terms of Trade, 1970-77 (NTISUB/E/280-003)

The Holocaust Revisited: A Retrospective Analysis of the Auschwitz-Birkenau Extermination Complex (NTISUB/E/280-002)

SOVSIM: A Model of the Soviet Economy (NTISUB/E/281-003)

Chinese Coal Industry: Prospects Over the Next Decade (NTISUB/E/282-002)

USSR: Long-Term Outlook for Grain Imports (NTISUB/E/281-002)

Foreign Development and Application of Automated Controls for the Steel Industry (NTISUB/E/280-001)

China: Demand for Foreign Grain (NTISUB/E/282-004)

Standing Orders

Customers may also enter standing orders for any of the following five categories:

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PB81-928000: All Non-Communist Country Reports

Standing orders for these categories ensure the speediest possible automatic mailing to customers as soon as the documents are received at NTIS. Orders may be entered for paper copies only. Inquire to CIA Product Manager for an estimated price based on the number of documents anticipated in the categories.

5000 foreign technical reports in translations

More than a million pages of scientific material has been translated since the Special Foreign Currency Science Information Program (SFCSSIP).

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Explanations to VDE Specifications for the Electrical Equipment of Manufacturing and Processing Machines with Rated Voltages up to 1000V. DIN 57113/VDE 0113 Trans. of mono. Erlaeuterungen zu den VDE-Bestimmungen fuer die Elektrische Austuestung von Bearbeitungs-und Verarbeitungsmaschinen mit Nennspannungen bis 1000V, Berlin, 1976. 160p

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- Machine Tools In the Federal Republic of Germany** 1979, 53p
BTHE-042013 NTIS Price: PC E99
- Norwegian Wiring Regulations - Regulations for Electrical Installations** Sponsored in part by British Standards Institution, Hemel Hempstead (England). Technical Help to Exporters. 1978, 502p
BTHE-063526 NTIS Price: PC E99
- Hi Fi Techniques.** DIN 45500 Trans. of mono. Heimstudio-Technik (Hi-Fi), Berlin, 1976. 70p
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Most JPRS reports are concerned with publications in communist countries, though materials from all nations may be translated. About half of the reports are in the scientific and technical fields.

Regular use of JPRS reports give scientists, engineers, technicians, researchers, and business people access to current foreign thought in many areas.

An index to JPRS translations is available from The Micro Photo Division of Bell & Howell, Old Mansfield Road, Wooster, OH 44691. Called the Bell & Howell TRANSDEX Index, it has a keyword section, a names section, and a bibliographic listing section. In addition, the Index includes a brief section which correlates series titles with the specific document numbers.

A standing order service provides for the automatic mailing of reports on a continuing basis, as translations are completed. Subscribers must open an NTIS Deposit Account with a minimum deposit of \$25, which may also be used to order other NTIS products or services (see page xx). Single copies of back issues are available. Serials are not available in microfiche. Telephone (703) 487-4650.

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For additional information write Product Manager, NTIS, 5285 Port Royal Rd., Springfield, VA 22161.

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The Foreign Broadcast Information Service's weekly analytical report titled *Trends in Communist Media* analyzes Chinese, Soviet, and other communist media discussions of key issues under a confidential classification limited to six months. The declassified *Trends* averages between 20 and 30 pages and is sent to subscribers weekly either in paper or microfiche.

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